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## NOTICE OF ALLOWANCE AND FEE(S) DUE

65565 7590 12/19/2008 SUGHRUE-265550

SUGHRUE-265550 2100 PENNSYLVANIA AVE. NW WASHINGTON, DC 20037-3213 EXAMINER

HOGAN, JAMES SEAN

ART UNIT PAPER NUMBER

3752 DATE MAILED: 12/19/2008

| APPLICATION NO.                    | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |  |  |
|------------------------------------|-------------|----------------------|---------------------|------------------|--|--|
| 10/522,680                         | 10/18/2005  | Osamu Nomura         | ura Q86054          |                  |  |  |
| TITLE OF INVENTION; CASTING NOZZLE |             |                      |                     |                  |  |  |

| APPLN, TYPE    | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO           | \$1510        | \$300               | \$0                  | \$1810           | 03/19/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

## PART B - FEE(S) TRANSMITTAL

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| SUGHRUE-26:<br>2100 PENNSYL   | 7590 12/19<br>5550<br>VANIA AVE. NW<br>, DC 20037-3213  | 2008                                       |   |   |   | Cer  | tificate   | of Mailing or Trans   |  |
|   |   |  |   |   |   |  |  |   | (Depositor's name)   |
|   |   |  |   |   |   |  |  |   | (Signature)  |
|   |   |  |   |   |   |  |  |   | (Date)   |
| APPLICATION NO.   | FILING DATE   |  |   | FIRST NAMED INVEN   | TOR   |  | ATTO   | RNEY DOCKET NO.   | CONFIRMATION NO.   |
| 10/522,680  | 10/18/2005  |  |   | Osamu Nomura  |   |  |  | Q86054  | 1762   |
| TITLE OF INVENTION:   |   |  |   |   |   | 1  |  |   |  |
| APPLN, TYPE   | SMALL ENTITY  | IS   | SUE FEE DUE   | PUBLICATION FEE I   | OUE   | PREV. PAID ISSU  | SFEE   | TOTAL FEE(S) DUE  | DATE DUE   |
| nonprovisional  | NO  |  | \$1510  | \$300   |   | \$0  |  | \$1810  | 03/19/2009   |
| EXAMI   | INER  |  | ART UNIT  | CLASS-SUBCLASS  | S   | ]  |  |   |  |
| HOGAN, JA   | HOGAN, JAMES SEAN   |  | 3752  | 239-589000  | _   |  |  |   |  |
| "Fee Address" indi-<br>PTO/SB/47; Rev 03-0.<br>Number is required.  3. ASSIGNEE NAME AN   | ondence address (or Cha<br>W122) attached.<br>cation (or "Fee Address'<br>2 or more recent) attach<br>ND RESIDENCE DATA<br>ess an assignee is identia<br>in 37 CFR 3.11. Comp | nge of ' Indica ed. Use                    | Correspondence  ation form e of a Customer  E PRINTED ON T  | (I) the names of to agents OR, alter (2) the name of a registered attorney 2 registered patent listed, no name wi   | ap to<br>rnativ<br>singly<br>or atto<br>II be<br>or typ<br>he p | e firm (having as a<br>agent) and the nam<br>meys or agents. If<br>printed.<br>be)<br>atent. If an assign<br>assignment. | memb<br>es of u<br>no nam                        | er a 2  | ocument has been filed for   |
| Please check the appropri   | ate assignee category or  | catego                                     | ries (will not be pr  | inted on the patent):   |   | Individual 🚨 Co  | orporati   | on or other private gro   | up entity Government   |
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|   | SMALL ENTITY statu  | s. See                                     | 37 CFR I.27.  |   |   |  |  | TITY status. Sec 37 CF  |  |
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| Authorized Signature  |   |  |   |   |   | Date   |  |   |  |
| Typed or printed name   |   |  |   |   | Registration N  |  |  |   |  |
| This collection of informs<br>an application. Confidenti<br>submitting the completed<br>this form and/or suggestic<br>Box 1450, Alexandria, Vi<br>Alexandria, Virginia 2231 | ation is required by 37 C<br>iality is governed by 35<br>application form to the<br>ons for reducing this but<br>irginia 22313-1450. DC<br>13-1450.                           | FR 1.3<br>U.S.C.<br>USPT<br>den, st<br>NOT | 11. The informatic<br>122 and 37 CFR<br>O. Time will vary<br>nould be sent to the<br>SEND FEES OR O | on is required to obtain<br>1.14. This collection in<br>depending upon the<br>e Chief Information C<br>COMPLETED FORM   | n or r<br>is est<br>indiv<br>Office<br>IS TO                    | etain a benefit by t<br>imated to take 12 i<br>idual case. Any co<br>er, U.S. Patent and<br>D THIS ADDRESS               | he publ<br>minutes<br>mment<br>Traden<br>i. SENI | ic which is to file (and<br>to complete, includin<br>s on the amount of tir<br>nark Office, U.S. Depa<br>D TO: Commissioner I | by the USPTO to process)<br>g gathering, preparing, and<br>ne you require to complete<br>atment of Commerce, P.O.<br>for Patents, P.O. Box 1450, |

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| 10/522,680      | 10/18/2005    | Osamu Nomura          | Q86054              | 1762             |  |  |
| 65565 75        | 90 12/19/2008 |                       | EXAMINER            |                  |  |  |
| SUGHRUE-2655    | 550           | HOGAN, JAMES SEAN     |                     |                  |  |  |
| 2100 PENNSYLV   |               | ART UNIT PAPER NUMBER |                     |                  |  |  |
| WASHINGTON, I   | OC 20037-3213 | 3752                  |                     |                  |  |  |

DATE MAILED: 12/19/2008

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 516 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 516 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Application No. Applicant(s) 10/522,680 NOMURA ET AL. Notice of Allowability Examiner Art Unit JAMES S HOGAN 3752 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to amendment filed. 2. The allowed claim(s) is/are 1-14. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some\* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 10/10/2008 4. T Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material Other .

/Len Tran/

Supervisory Patent Examiner, Art Unit 3752

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## DETAILED ACTION

## Response to Arguments

Applicant's arguments, see "Arguments", filed October 10, 2008, with respect to claims 1-10 have been fully considered and are persuasive.

# Allowable Subject Matter

Claims 1-14 are allowed.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES S. HOGAN whose telephone number is (571)272-4902. The examiner can normally be reached on Mon-Fri, 6:00a-3:00p EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Len Tran can be reached on (571)272-1184. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Art Unit: 3752

/J. S. H./

Examiner, Art Unit 3752

/Len Tran/

Supervisory Patent Examiner, Art Unit 3752